

IN THE CLAIMS

1. (currently amended): [[A]] In combination:

(a) a computer including a computer terminal hub;

(b) a wireless computer-control device; and

(c) a wireless communication apparatus, connecting with the computer in a direct manner

and communicating with the wireless computer-control device by radio; the wireless

communication apparatus further comprising:

with built-in terminal hub for transmitting a wireless signal, comprising:

a casing;

a PCB (Printed Circuit Board) contained inside the casing;

a built-in antenna module disposed on the PCB for transmitting the wireless signal to the

wireless computer-control device; and an

a first input terminal hub on the casing coupled with the PCB inside the casing and for

connecting a connected to the computer terminal hub in a direct manner, whereby the computer

communicates with the PCB; and

a second terminal hub on the casing coupled with the PCB inside the casing, whereby

another peripheral device mated to the second terminal hub is operatively communicated with the

computer terminal hub.

2-4. (canceled)

5. (currently amended): The wireless communication apparatus according to claim [[4]] 1,
wherein the wireless computer-control device is a cordless mouse or a wireless keyboard.

6-7. (canceled)

8. (currently amended): The wireless communication apparatus according to claim 1, wherein the ~~input~~ first terminal hub is ~~[[an]] a~~ USB (Universal Series Bus) terminal hub or a PS2 terminal hub.

9. (currently amended): The wireless communication apparatus according to claim 2, wherein the ~~output~~ second terminal hub is ~~[[an]] a~~ USB (Universal Series Bus) terminal hub or a PS2 terminal hub.

10-11. (canceled)

12. (original): The wireless communication apparatus according to claim 1, wherein the transmission of the wireless communication apparatus is a one-way signal transmission.

13. (original): The wireless communication apparatus according to claim 1, wherein the transmission of the wireless communication apparatus is a two-way signal transmission.

14. (original): The wireless communication apparatus according to claim 1, wherein the wireless communication apparatus is a one-way 2.4 GHz multiple-channel FM/ FSK receiver.

15. (original): The wireless communication apparatus according to claim 1, wherein the wireless communication apparatus is a regenerative low power-consumption one-way receiver.

16. (original): The wireless communication apparatus according to claim 1, wherein the wireless communication apparatus is a two-way 900 MHz/2.4GHz spread spectrum transceiver.

17. (currently amended): The wireless communication apparatus according to claim 1, ~~wherein the wireless communication apparatus~~ further including employs a Bluetooth solution.

18. (original): The wireless communication apparatus according to claim 1, wherein the built-in antenna module is a phase matrix antenna module.

19. (currently amended): The wireless communication apparatus according to claim 18, wherein the phase matrix antenna module ~~is designed by~~ comprises an aluminum foil of a baseboard.

20. (new): A wireless communication apparatus comprising:
a casing;
a PCB (Printed Circuit Board) inside the casing;
an input terminal hub, on the casing, coupled with the PCB;
an output terminal hub, on the casing, operatively connected to the input terminal hub;
and
a built-in antenna module disposed on the PCB for transmitting and/or receiving wireless data to and/or from the input terminal hub from and/or to a wireless control device.

21. (new): The wireless communication apparatus according to claim 20, wherein the wireless control device is a cordless mouse or a wireless keyboard.

22. (new): The wireless communication apparatus according to claim 20, wherein the transmission of the wireless communication apparatus is a one-way signal transmission or a two-way signal transmission.

23. (new): The wireless communication apparatus according to claim 22, wherein the wireless communication apparatus is a one-way 2.4 GHz multiple-channel FM/ FSK receiver.

24. (new): The wireless communication apparatus according to claim 22, wherein the wireless communication apparatus is a regenerative low power-consumption one-way receiver.

25. (new): The wireless communication apparatus according to claim 22, wherein the wireless communication apparatus is a two-way 900 MHz/2.4GHz spread spectrum transceiver.

26. (new): The wireless communication apparatus according to claim 22, furthering including a Bluetooth solution.

27. (new): The wireless communication apparatus according to claim 20, wherein the built-in antenna module is a phase matrix antenna module.

28. (new): The wireless communication apparatus according to claim 27, wherein the phase matrix antenna module comprises an aluminum foil of a baseboard.